

General Description Kapton Polyimide Tapes

Single sided Kapton tapes

The single sided Kapton tape consists of a Kapton polyimide film with a silicon adhesive. The tape is self-wound without a liner. Advantages of the Kapton tape are:

- Wide temperature range use
- Heat resistant
- Good adhesion properties on difficult surfaces
- Low adhesive transfer
- Leaves cleaner surfaces after removal
- Low outgassing under vacuum

If used as temporary tape or transfer tape, only apply minimum pressure. The Kapton tape has low outgassing properties and is an ideal tape for high vacuum applications. Excellent performance for electrical and thermal insulation with high dielectric strength. Although the use temperature range is specified as -75 to +260°C, Kapton has been successfully used in the temperature range of -196 to +400°C.

Applications are wide ranging for this tape:

- Masking on printed circuit boards during soldering
- Masking for vacuum deposition
- Holding samples or part in high vacuum
- Positioning tape for cryo applications
- Electrical insulation on transformers, coil and electro motors.

Available in widths from 6 to 50mm, with a length of 33m. Clean 76mm diameter plastic core.

Specifications:

Tape material	Kapton Polyimide
Adhesive	Silicone adhesive
Color	Amber to brown
Film thickness	0.03mm
Adhesive thickness	0.04mm
Total tape thickness	0.07mm
Adhesive strength	26N / 25mm
Tape strength	200 kPa
Dielectric strength	8 kV
Chemical resistance	Excellent to acids, oils and solvents
Use temperature range	-75 to +260 °C
Length	33m
Core diameter	76mm (3")